

What is claimed is:

1. A printing system including at least one data processing device, said at least one data processing device comprising:

5 a layout creation element for generating layout data about a print including a photograph represented by first printing-specific photograph data to hold layout information about said first printing-specific photograph data associated with a layout result, said first printing-specific photograph data being digital data represented in an RGB color system;

10 a layout information combination element for combining said layout result with a setting file;

 a color space conversion element for converting said first printing-specific photograph data into second printing-specific photograph data, said second printing-specific photograph data being digital data represented in a CMYK color system;

15 a correction element for correcting said second printing-specific photograph data; and

 a replacement element for changing the association between said layout result and said first printing-specific photograph data in said layout information into association between said layout result and said second printing-specific photograph data,

20 said setting file describing details of processes to be executed by said color space conversion element, said correction element, and said replacement element,

 said layout data subjected to the association change being passed to a rasterization process.

25 2. The printing system according to claim 1, wherein

said first printing-specific photograph data is obtained by converting image data acquired by a digital camera into data represented in a standard color system independent of the type of digital camera.

5 3. The printing system according to claim 2, wherein
said at least one data processing device is one layout data generation device.

 4. The printing system according to claim 2, wherein
said layout creation element and said layout information combination element
10 are provided in one layout data generation device, and the remaining elements are
provided in a print data processing device different from said layout data generation
device, and

 said print data processing device further comprises
a rasterization process element for rasterizing said layout data subjected to the
15 association change to generate print data.

 5. The printing system according to claim 4, wherein
said print data processing device further comprises
a setting file creation element for creating and modifying said setting file, and
20 said print data processing device causes said setting file creation element to set
a new setting file again and to perform an image conversion process again based on the
new setting file when proof printing based on said print data produces an improper result.

 6. A device for generating layout data for defining a layout of a print, said
25 device comprising:

a layout creation element for generating layout data about a print including a photograph represented by first printing-specific photograph data to hold layout information about said first printing-specific photograph data associated with a layout result, said first printing-specific photograph data being digital data represented in an RGB color system;

a layout information combination element for combining said layout result with a setting file;

a color space conversion element for converting said first printing-specific photograph data into second printing-specific photograph data, said second printing-specific photograph data being digital data represented in a CMYK color system;

a correction element for correcting said second printing-specific photograph data; and

a replacement element for changing the association between said layout result and said first printing-specific photograph data in said layout information into association between said layout result and said second printing-specific photograph data,

said setting file describing details of processes to be executed by said color space conversion element, said correction element, and said replacement element.

7. The device according to claim 6, wherein

said first printing-specific photograph data is obtained by converting image data acquired by a digital camera into data represented in a standard color system independent of the type of digital camera.

8. A print data processing device for performing a predetermined process on layout data for defining a layout of a print, said print data processing device comprising:

a color space conversion element for converting first printing-specific photograph data into second printing-specific photograph data, said first printing-specific photograph data being digital data representative of a photograph in layout data about a print including said photograph, said first printing-specific photograph data being
5 represented in an RGB color system, said second printing-specific photograph data being digital data represented in a CMYK color system;

a correction element for correcting said second printing-specific photograph data;

a replacement element for changing association between a layout result and said
10 first printing-specific photograph data in layout information relating to said layout data into association between said layout result and said second printing-specific photograph data; and

a rasterization process element for rasterizing said layout data subjected to the association change to generate print data,

15 said layout result being included in a setting file describing details of processes to be executed by said color space conversion element, said correction element, and said replacement element.

9. The print data processing device according to claim 8, further comprising
20 a setting file creation element for creating and modifying said setting file,
said print data processing device causing said setting file creation element to set a new setting file again and to perform an image conversion process again based on the new setting file when proof printing based on said print data produces an improper result.

25 10. The print data processing device according to claim 9, wherein

said first printing-specific photograph data is obtained by converting image data acquired by a digital camera into data represented in a standard color system independent of the type of digital camera.

5 11. A program executed by a computer to cause said computer to function as a layout data generation device, said layout data generation device comprising:

 a layout creation element for generating layout data about a print including a photograph represented by first printing-specific photograph data to hold layout information about said first printing-specific photograph data associated with a layout
10 result, said first printing-specific photograph data being digital data represented in an RGB color system;

 a layout information combination element for combining said layout result with a setting file;

 a color space conversion element for converting said first printing-specific
15 photograph data into second printing-specific photograph data, said second printing-specific photograph data being digital data represented in a CMYK color system;

 a correction element for correcting said second printing-specific photograph data; and

 a replacement element for changing the association between said layout result
20 and said first printing-specific photograph data in said layout information into association between said layout result and said second printing-specific photograph data,

 said setting file describing details of processes to be executed by said color space conversion element, said correction element, and said replacement element.

25 12. A program executed by a computer to cause said computer to function as a

print data processing device, said print data processing device comprising:

5 a color space conversion element for converting first printing-specific photograph data into second printing-specific photograph data, said first printing-specific photograph data being digital data representative of a photograph in layout data about a print including said photograph, said first printing-specific photograph data being represented in an RGB color system, said second printing-specific photograph data being digital data represented in a CMYK color system;

a correction element for correcting said second printing-specific photograph data;

10 a replacement element for changing association between a layout result and said first printing-specific photograph data in layout information relating to said layout data into association between said layout result and said second printing-specific photograph data; and

15 a rasterization process element for rasterizing said layout data subjected to the association change to generate print data;

said layout result being included in a setting file describing details of processes to be executed by said color space conversion element, said correction element, and said replacement element.